

AMENDMENTS TO THE CLAIMS:

Claims 204-206 are canceled without prejudice or disclaimer. Claims 207-249 are added. The following is the status of the claims of the above-captioned application, as amended.

Claims 1-206 (Canceled).

Claim 207 (New). A modified cellulase, consisting of a substitution of the amino acid at position 119 with H in the amino acid sequence of SEQ ID NO: 5, wherein each position is numbered according to the amino acid sequence of the cellulase of SEQ ID NO: 1 and the modified cellulase has endoglucanase activity.

Claim 208 (New). A modified cellulase, comprising a substitution of the amino acid at position 119 with H and one or more of the following substitutions:

- a substitution of the amino acid at position 4 with H, K, M, Q, V, or Y;
- a substitution of the amino acid at position 5 with S or T;
- a substitution of the amino acid at position 6 with T;
- a substitution of the amino acid at position 7 with I, K, L, R, or W;
- a substitution of the amino acid at position 8 with Y;
- a substitution of the amino acid at position 9 with W or Y;
- a substitution of the amino acid at position 10 with D;
- a substitution of the amino acid at position 12 with G or M;
- a substitution of the amino acid at position 13 with K, L, or Q;
- a substitution of the amino acid at position 14 with A, P, or T;
- a substitution of the amino acid at position 15 with H, S, or T;
- a substitution of the amino acid at position 16 with A, C, or M;
- a substitution of the amino acid at position 18 with F or Y;
- a substitution of the amino acid at position 19 with A, D, E, G, P, S, or T;
- a substitution of the amino acid at position 20 with A, E, G, or K;
- a substitution of the amino acid at position 21 with K or N;
- a substitution of the amino acid at position 42 with D, G, K, N, S, T, W, or Y;
- a substitution of the amino acid at position 44 with G, K, P, Q, or V;
- a substitution of the amino acid at position 45 with S or T;
- a substitution of the amino acid at position 47 with C, G, M, or Q;

a substitution of the amino acid at position 48 with E, N, or S;
a substitution of the amino acid at position 49 with A, G, P, or S;
a substitution of the amino acid at position 74 with A or F;
a substitution of the amino acid at position 82 with E;
a substitution of the amino acid at position 110 with S;
a substitution of the amino acid at position 111 with I, T, or V;
a substitution of the amino acid at position 113 with G or Y;
a substitution of the amino acid at position 114 with N;
a substitution of the amino acid at position 115 with L;
a substitution of the amino acid at position 116 with S;
a substitution of the amino acid at position 121 with D;
a substitution of the amino acid at position 123 with A, M, or Q;
a substitution of the amino acid at position 129 with L or V;
a substitution of the amino acid at position 131 with A or I;
a substitution of the amino acid at position 132 with A, D, P, or T;
a substitution of the amino acid at position 133 with D, K, or N;
a substitution of the amino acid at position 145 with A, D, N, or Q;
a substitution of the amino acid at position 146 with R;
a substitution of the amino acid at position 147 with C, G, K, R, V, or W;
a substitution of the amino acid at position 178 with D, N, or P; or
a substitution of the amino acid at position 179 with N or V;

in the amino acid sequence of SEQ ID NO: 5, wherein each position is numbered according to the amino acid sequence of the cellulase of SEQ ID NO: 1 and the modified cellulase has endoglucanase activity.

Claim 209 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 4 with H, K, M, Q, V, or Y.

Claim 210 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 5 with S or T.

Claim 211 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 6 with T.

Claim 212 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 7 with I, K, L, R, or W.

Claim 213 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 8 with Y.

Claim 214 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 9 with W or Y.

Claim 215 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 10 with D.

Claim 216 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 12 with G or M.

Claim 217 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 13 with K, L, or Q.

Claim 218 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 14 with A, P, or T.

Claim 219 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 15 with H, S, or T.

Claim 220 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 16 with A, C, or M.

Claim 221 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 18 with F or Y.

Claim 222 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 19 with A, D, E, G, P, S, or T.

Claim 223 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 20 with A, E, G, or K.

Claim 224 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 21 with K or N.

Claim 225 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 42 with D, G, K, N, S, T, W, or Y.

Claim 226 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 44 with G, K, P, Q, or V.

Claim 227 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 45 with S or T.

Claim 228 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 47 with C, G, M, or Q.

Claim 229 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 48 with E, N, or S.

Claim 230 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 49 with A, G, P, or S.

Claim 231 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 74 with A or F.

Claim 232 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 82 with E.

Claim 233 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 110 with S.

Claim 234 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 111 with I, T, or V.

Claim 235 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 113 with G or Y.

Claim 236 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 114 with N.

Claim 237 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 115 with L.

Claim 238 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 116 with S.

Claim 239 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 121 with D.

Claim 240 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 123 with A, M, or Q.

Claim 241 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 129 with L or V.

Claim 242 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 131 with A or I.

Claim 243 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 132 with A, D, P, or T.

Claim 244 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 133 with D, K, or N.

Claim 245 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 145 with A, D, N, or Q.

Claim 246 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 146 with R.

Claim 247 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 147 with C, G, K, R, V, or W.

Claim 248 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 178 with D, N, or P.

Claim 249 (New). A modified cellulase of claim 208, which comprises a substitution of the amino acid at position 179 with N or V.